

JFW

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on May 11, 2007

Glenn P. Ladwig  
Glenn P. Ladwig, Patent Attorney

INFORMATION DISCLOSURE  
STATEMENT

Examining Group 1647  
Patent Application  
Docket No. EPI-104XC1  
Serial No. 10/550,675

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : (Not yet assigned)  
Art Unit : 1647  
Applicants : Shabnam Tangri, Bianca Mothe, Alessandro Sette, Scott Southwood,  
Kristen Briggs, Robert W. Chesnut  
Serial No. : 10/550,675  
Filed : September 26, 2005  
Conf. No. : 8341  
For : Peptides, Polypeptides, and Proteins of Reduced Immunogenicity and  
Methods for Their Production

MS AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§1.97 AND 1.98

Sir:

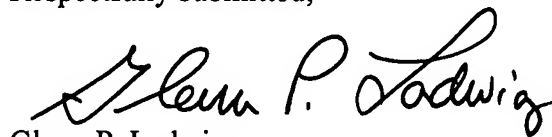
The patent application referred to above was filed in the U.S. Patent Office as a national application under 35 U.S.C. §371. The applicants have been notified that a copy of the International Search Report has been made available in the national stage file as indicated on the Notification of Acceptance of the Application under 35 U.S.C. §371 (Form PCT/DO/EO/903). The Notification does not indicate whether copies of the references cited in the International Search Report were received by the Patent Office. Therefore, copies of the references cited in the International Search Report are enclosed for the Examiner's convenience. However, the applicants have not submitted copies of the U.S. patents cited on attached Form PTO/SB/08 pursuant to 37 C.F.R. §1.98(a)(2)(ii).

In accordance with 37 C.F.R. §1.56, the applicants hereby request that the references cited in the International Search Report and listed on the attached form PTO/SB/08 be made of record and considered in the examination of the subject application.

The applicants have also listed on form PTO/SB/08 numerous references which have not been cited in the international search report. Copies of these documents are enclosed with this IDS. The applicants respectfully request that these references be made of record and considered in the examination of the subject application.

The applicants respectfully assert that the substantive provisions of 37 C.F.R. §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,



Glenn P. Ladwig

Patent Attorney

Registration No. 46,853

Phone No.: 352-375-8100

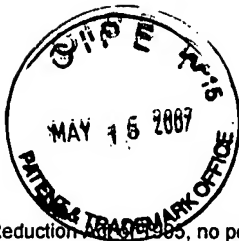
Fax No.: 352-372-5800

Address: P.O. Box 142950

Gainesville, FL 32614-2950

GPL/mv

Attachments: Form PTO/SB/08 (2 pages); copies of some cited references



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project 07-155, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/550,675
				Filing Date	September 26, 2005
				First Named Inventor	Shabnam Tangri
				Art Unit	1647
Examiner Name					
Sheet	1	of	2	Attorney Docket Number	EPI-104XC1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-6,251,939 B1	06-26-2001	Schwartz et al.	Columns 14-16
	U2	US-6,153,407	11-28-2000	Sytkowski et al.	Columns 17-18
	U3	US-5,985,607	11-16-1999	Delcuve et al.	Columns 57-60
	U	US-			
	U	US-			
	U	US-			
	U	US-			
	U	US-			
	U	US-			

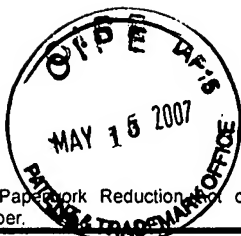
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
	F1					
	F2					
	F3					
	F4					
	F5					
	F6					
	F7					

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/550,675
Filing Date	September 26, 2005
First Named Inventor	Shabnam Tangri
Group Art Unit	1647
Examiner Name	
Attorney Docket Number	EPI-104XC1

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R1	FINNEGAN, A. <i>et al.</i> "Identification of single amino acid substitutions in the staphylococcal nuclease protein that enhance and diminish T cell clone recognition of naturally processed peptides" <i>Intl. Immunol.</i> , 1992, 4:1399-1406, abstract.	
	R2	JARDEZKY, T.S. <i>et al.</i> "Peptide binding to HLA-DR1: a peptide with most residues substituted to alanine retains MHC binding" <i>The EMBO Journal</i> , 1990, 9:1797-1803.	
	R3	NEURATH, A.R. <i>et al.</i> "Toleration of amino acid substitutions within hepatitis B virus envelope protein epitopes established by peptide replacement set analysis. I. Region S(139-147)" <i>Peptide Res.</i> , 1990, 3:116-122, abstract.	
	R4	NIKCEVICH, K.M. <i>et al.</i> "Interference with the binding of a naturally processed peptide to class II alters the immunodominance of T cell epitopes <i>in vivo</i> " <i>J. Immunol.</i> , 1994, 153:1015-1026.	
	R5	O'SULLIVAN, D. <i>et al.</i> "On the interaction of promiscuous antigenic peptides with different DR alleles" <i>J. Immunol.</i> , 1991, 147:2663-2669.	
	R6	PANINA-BORDIGNON, P. <i>et al.</i> "Universally immunogenic T cell epitopes: promiscuous binding to human MHC class II and promiscuous recognition by T cells" <i>Eur. J. Immunol.</i> , 1989, 19:2237-2242.	
	R7	SCHAEFFER, E. <i>et al.</i> "Relative contribution of 'determinant selection' and 'holes in the T-cell repertoire' to T-cell responses" <i>Proc. Natl. Acad. Sci. USA</i> , 1989, 86:4649-4653.	
	R8	SETTE, A. <i>et al.</i> "Structural characteristics of an antigen required for its interaction with Ia and recognition by T cells" <i>Nature</i> , 1987, 328:395-399, abstract.	
	R		
	R		
	R		
	R		
	R		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.